CONTENTS

INTRODUCTION 3
Package Contents 4

GETTING TO KNOW YOUR CAMERA 5
Front View 5
Rear View 6
LCD Monitor Information 7

PREPARING THE CAMERA 9
Installing the Batteries (Optional Accessory) 9
Inserting and Removing an SD Memory Card (Optional Accessory) 10
Attaching the Camera Strap 11
LED Indicators 11

GETTING STARTED 12
Turning the Power On/Off 12
Choosing the Screen Language 13
Setting the Date and Time 14
Formatting an SD Memory Card or Internal Memory 15

PHOTOGRAPHY MODE 16
Shooting Images - The Basics 16
Setting Image Resolution and Quality 17
Using the Zoom Function 19
Setting Focus 20
Using the Flash 21
Using the Self-Timer 22
Adjusting the Exposure (EV Compensation) 23
Setting White Balance 24
Scene Mode Selection 25

PLAYBACK MODE - THE BASICS 26
Viewing Images 26
Magnifying Images 27
Thumbnail Display 28
Slideshow Display 29

VIDEO MODE 30
Recording Video Clips 30
Playing Back Video Clips 31

Downloaded from www.Manualslib.com manuals search engine

PLAYBACK MODE – ADVANCED FEATURES... 32
Deleting Images/Video Clips..... 32
Protecting Images/Video Clips 34
Setting the DPOF..... 36
Connecting to a PictBridge Compliant Printer..... 38

TRANSFERRING FILES FROM YOUR DIGITAL CAMERA TO COMPUTER..... 40
Step 1: Install the USB driver 41
Step 2: Connect the digital camera to your computer..42
Step 3: Download images or video clips..... 43

USING THE DIGITAL CAMERA AS A PC CAMERA..44
Step 1: Install the PC camera driver..... 44
Step 2: Connect the digital camera to your computer...45
Step 3: Run your application software (i.e. Windows NetMeeting).....45

MENU OPTIONS..... 46
Camera Menu..... 46
Video Menu 49
Playback Menu.....50
Setup Menu.....52

CONNECTING THE DIGITAL CAMERA TO OTHER DEVICES..... 54

SPECIFICATIONS..... 55

APPENDIX..... 56

Downloaded from www.Manualslib.com manuals search engine

INTRODUCTION

Thank you for purchasing the new digital camera!
Equipped with a 6.0 Megapixels CCD sensor, your camera delivers good quality, 2816 x 2112 resolution images. Other features provided by the camera include the following:

- **6.0 Megapixels**
  A high-resolution CCD sensor provides 6.0 megapixels for good quality of images.
- **Auto flash**
  An auto flash sensor automatically detects the shooting (lighting) conditions and determines whether the flash should be used.
- **2.0" LTPS color image LCD monitor**
- **Digital zoom: 1x~4x**
- **16MB internal (built-in) memory (14MB available for image storage)**
  Images can be captured without using a memory card.
- **Support for SD memory card for memory expansion**
  You may wish to expand the memory capacity (up to 1GB capacity) by using an external memory card.
- **USB connection (USB 2.0 compliant)**
  Still images, video clips, or voice recording files that you have recorded can be downloaded to your computer using the USB cable (A USB driver is required for Win 98 and Win98SE).
- **DPOF functionality**
  DPOF can be used to print your images on a DPOF compatible printer by simply inserting the memory card.
- **Scene mode**
  You may select a previously set recording mode for the following situations:
  Auto, Sport, Night, Portrait, Landscape and Backlight.

Downloaded from www.Manualslib.com manuals search engine

Package Contents

Carefully unpack your kit box and ensure that you have the following items. In the event that any item is missing or if you find any mismatch or damage, promptly contact your dealer.

Common Product Components:

- Digital Camera
- User's Manual
- Camera Strap
- USB Cable

Common (Optional) Accessories:

- SD memory card
- 2x AA Alkaline batteries
- Camera Pouch
- Software CD-ROM

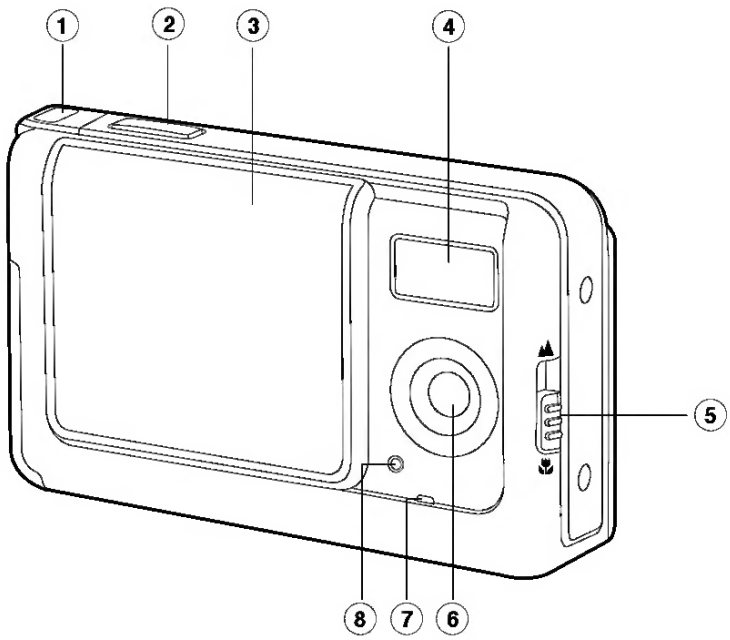
NOTE

- Accessories and components may vary by retailer.

Downloaded from www.Manualslib.com manuals search engine

GETTING TO KNOW YOUR CAMERA

Front View

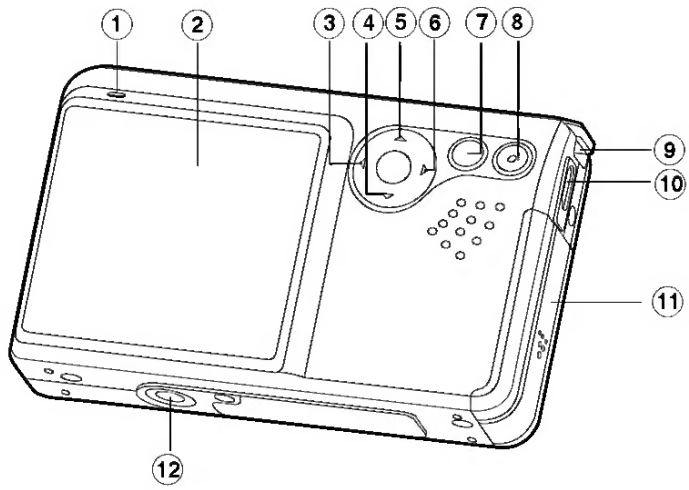


1. Strap holder
2. Shutter button
3. Lens cover
4. Flash
5. Focus switch
   - Macro mode
   - Normal mode
6. Lens
7. Microphone
8. Self-timer indicator

Downloaded from www.Manualslib.com manuals search engine

Rear View

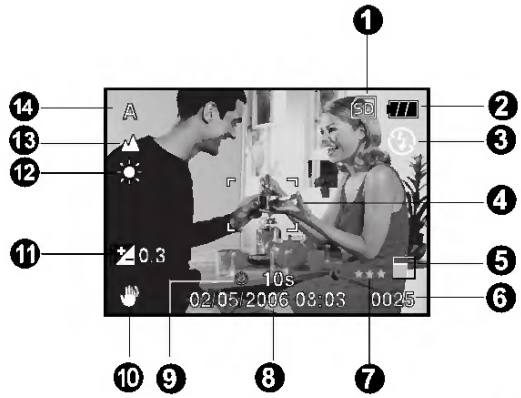
1. Status LED
2. LCD monitor
3. ◀ Arrow button (Left)
   Self-timer button
4. ▼ Arrow button (Down)
   MODE button
5. ▲ Arrow button (Up)
   MENU button
6. ▶ Arrow button (Right)
   Flash button
7. OK OK button
   Digital Zoom button
8. Playback button
9. Strap holder
10. PC (USB) terminal
11. Battery / SD card cover
12. Tripod socket



Downloaded from www.Manualslib.com manuals search engine

LCD Monitor Information

■ Camera Mode

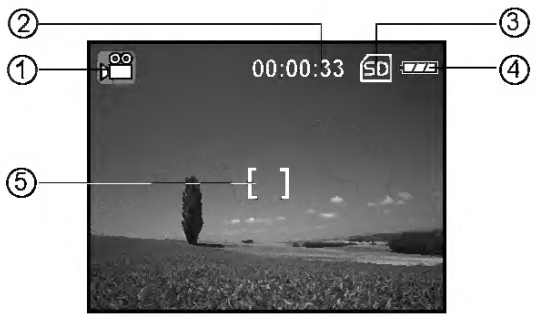


1. Internal memory/SD memory card indicator
   [INT] Status of internal memory
   [SD] Status of SD memory card
2. Remaining battery status
   [▮▮▮] Full battery power
   [▮▮] Medium battery power
   [▮] Low battery power
   [▯] No battery power
3. Flash mode
   [Blank] Auto
   [⊙ϟ] Red-eye Reduction
   [ϟ] Forced Flash
   [⊘ϟ] Flash Off
4. Focus area
5. Image size
   [▣] 2816 x 2112
   [▣] 2272 x 1704
   [▣] 1600 x 1200
   [▣] 640 x 480
6. Possible number of shots
7. Quality
   [★★★] Fine
   [★★] Standard
   [★] Economy
8. Date and time
9. Self-timer icon
   [10s] 10 sec.
   [2s] 2 sec.
   [10+2s] 10+2 sec.
10. Unsteady hold warning icon
11. [±] Exposure compensation
12. White balance
    [Blank] Auto
    [☀] Daylight
    [☁] Cloudy
    [💡] Tungsten
    [▦] Fluorescent
13. Focus mode
    [🌷] Macro
    [▲] Infinity
14. Scene mode
    [A] Auto
    [🏃] Sport
    [🌙] Night
    [👤] Portrait
    [▲] Landscape
    [👤] Backlight

Downloaded from www.Manualslib.com manuals search engine

■ Video Mode

1. Video mode
2. Recordable movie time available
3. SD memory card indicator (if present)
4. Battery power indicator
5. Focus area

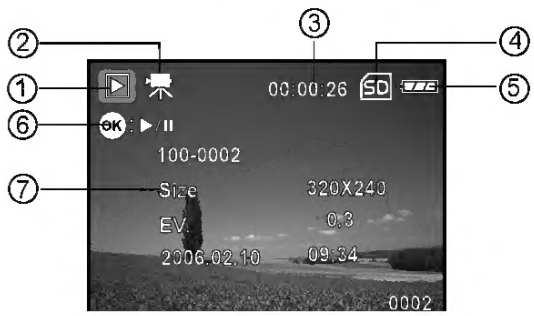


■ Image Playback

1. Playback mode
2. SD memory card indicator (if present)
3. Battery power indicator
4. Playback information

■ Video Playback

1. Playback mode
2. Video mode
3. Total of recorded time
4. SD memory card indicator (if present)
5. Battery power indicator
6. Playback indicator
7. Playback information



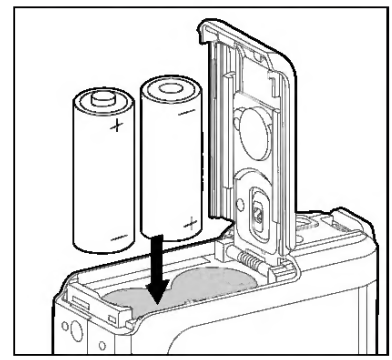
Downloaded from www.Manualslib.com manuals search engine

PREPARING THE CAMERA

Installing the Batteries (Optional Accessory)

You can use 2 AA size batteries to power the camera. Make sure that the power of the digital camera is off before inserting or removing the batteries.

1. Make sure the camera is turned off.
2. Open the battery cover.
3. Insert the batteries in the correct orientation as shown in the illustration.
4. Close the battery cover.
   - To remove the batteries,turn the camera off before removing batteries and hold the camera with the battery cover facing upward, then open the battery cover.



NOTE

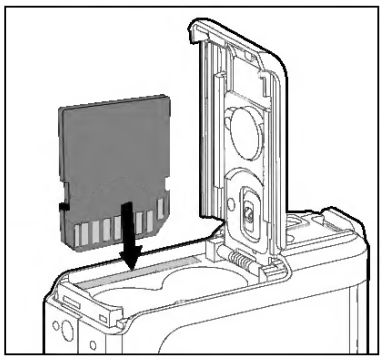
- Be careful not to drop the batteries when opening or closing the battery cover.

Downloaded from www.Manualslib.com manuals search engine

Inserting and Removing an SD Memory Card (Optional Accessory)

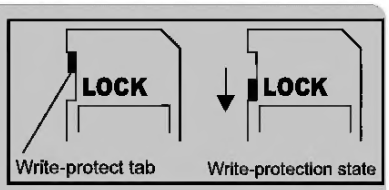
The digital camera comes with 16MB of internal memory (14MB available for image storage), allowing you to store captured still images or video clips in the digital camera. Moreover, you can also expand the memory capacity by using an optional SD (Secure Digital) memory card so that you can store more files.

1. Make sure your camera is turned off before inserting or removing a memory card.
2. Open the SD memory card cover.
3. Insert an SD memory card in the correct orientation as shown in the illustration.
4. Close the battery/SD memory card cover.
   - To remove the SD memory card, make sure the camera is turned off. Press lightly on the edge of the memory card and it will eject.



NOTE

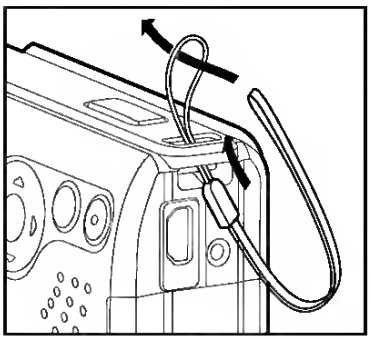
- Be sure to format an SD memory card with this digital camera before using it. Refer to section in the manual titled **"Formatting an SD Memory Card or Internal Memory"** for further details.
- To prevent valuable data from being accidentally erased from an SD card, you can slide the write protect tab (on the side of the SD memory card) to "LOCK".
- To save, edit, or erase data on an SD memory card, you must unlock the card.

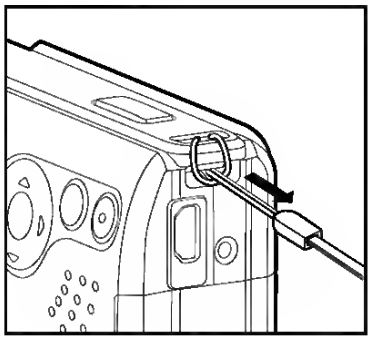


Downloaded from www.Manualslib.com manuals search engine

Attaching the Camera Strap

Attach the strap as shown in the illustration.





LED Indicators

Indicator	State	Description/Activity
Self-timer indicator	Blinking red	The digital camera is powering up.
LED indicator	Blinking green	The digital camera is ready to record images (or movies).
LED indicator	Blinking green	USB communication/transfer in progress
Self-timer indicator	Blinking red	Charging the flash.
Self-timer indicator	Blinking red	The self-timer function is activated.

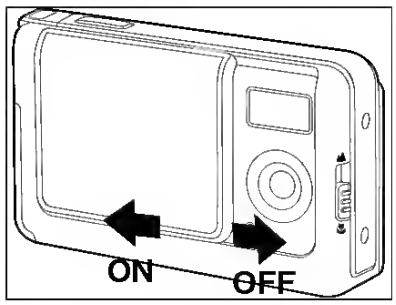
Downloaded from www.Manualslib.com manuals search engine

GETTING STARTED

Turning the Power On/Off

Load the batteries and insert an SD memory card before starting.

- To turn the camera on, slide the lens cover open until it clicks, uncovering the lens.
- To turn the camera off, slide the lens cover closed until it clicks, covering the lens.



NOTE

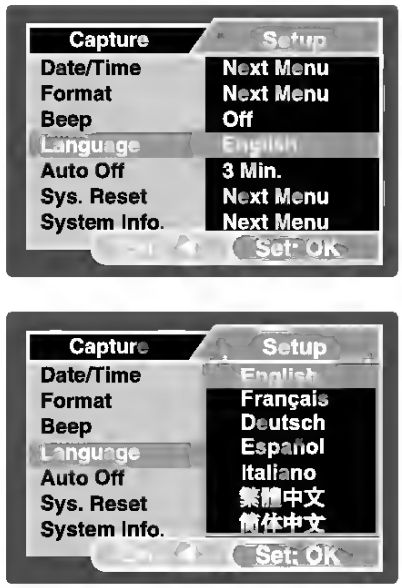
- The power is turned off automatically when the camera has not been operated for a fixed period time. To resume the operation condition, turn the power on again. Refer to section in this manual titled "Auto Off" in the Setup Menu for further details

Downloaded from www.Manualslib.com manuals search engine

Choosing the Screen Language

Follow the steps below to choose the desired language.

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Press ▲ / MENU and access in setup menu with the ▶ button.
   - You may also toggle the ▼ / MODE button and switch to [📷] mode or press the [▶] button, then follow the step above to access in setup menu.
3. Select [Language] with the ▲ / ▼ buttons, then press the OK button.
   - The Language setting screen will be displayed.
4. Select the displayed language with the ▲ / ▼ buttons, then press the OK button.
   - The setting will be stored.
5. To exit from the menu, press continuously the ◀ button.



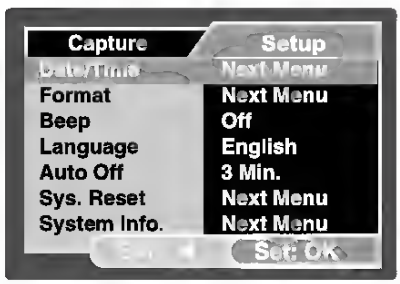
Ex.: In Camera Mode

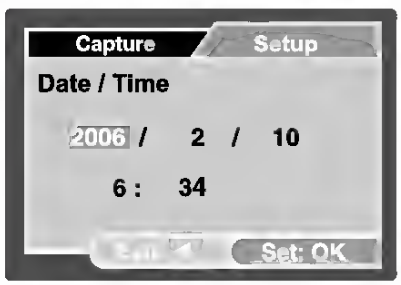
Downloaded from www.Manualslib.com manuals search engine

Setting the Date and Time

Follow the steps below to set the date display style, current date and time.

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Press ▲ / **MENU** and access in setup menu with the ▶ button.
   - You may also toggle the ▼ / MODE button and switch to [🎥] mode or press the [▶] button, then follow the step above to access in setup menu.
3. Select [Date/Time] with the ▲ / ▼ buttons, then press the **OK** button.
   - The Date/Time setting screen will be displayed.
4. Select the item's field with the ◀ / ▶ buttons and adjust the value for the date and time with the ▲ / ▼ buttons.
   - The date and time is set in the order year-month-day-hour-minute.
   - The time is displayed in 24-hours format.
5. After confirming all settings are correct, press the **OK** button.
6. To exit from the menu, press continuously the ◀ button.





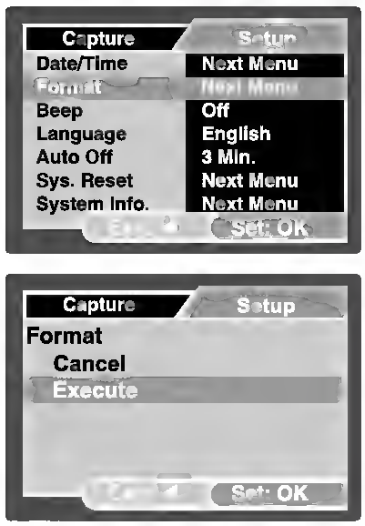
Ex.: In Camera Mode

Downloaded from www.Manualslib.com manuals search engine

Formatting an SD Memory Card or Internal Memory

The term "Formatting" means preparing an "SD Memory Card" to record images; this process is also called "initialization". This utility formats the internal memory (or memory card) and erases all stored images and data.

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Press ▲ / **MENU** and access in setup menu with the ▶ button.
   - You may also toggle the ▼ / **MODE** button and switch to [🎥] mode or press the [▶] button, then follow the step above to access in setup menu.
3. Select [Format] with the ▲ / ▼ buttons, then press the **OK** button.
4. Select [Execute] with the ▲ / ▼ buttons, then press the **OK** button.
   - To cancel formatting, select [Cancel] and press the **OK** button.
5. To exit from the menu, press continuously the ◀ button.



Ex.: In Camera Mode

NOTE

- When you format an SD memory card, be aware that all data of which will be permanently erased. Protected images are also erased.
- To format the internal memory, do not insert a memory card into the camera. Otherwise, you will format the memory card.
- Formatting is an irreversible action and data cannot be recovered at a later time.
- An SD memory card having any problem cannot be properly formatted.

Downloaded from www.Manualslib.com manuals search engine

PHOTOGRAPHY MODE

Shooting Images - The Basics

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Compose the image on the monitor screen so that the main subject is within the focus frame.
3. Press the shutter button to capture the image.

NOTE

- The actual captured image appears to be larger than the one on LCD after image captured.

Downloaded from www.Manualslib.com manuals search engine

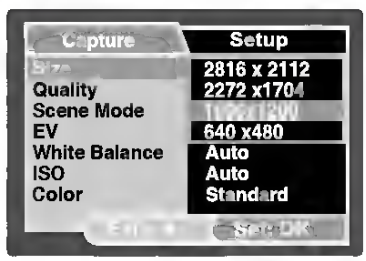
Setting Image Resolution and Quality

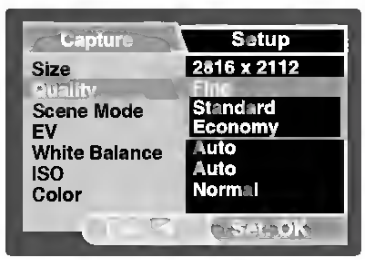
As you get to know the digital camera, you can set the image resolution (number of vertical and horizontal pixels) and image quality (compression ratio) based on the types of images you want to shoot. These settings affect the number of images that can be stored in memory, or on a memory card.

Higher resolution and higher quality images provide finer detail but cause the images' file size to be larger.

To change image resolution or image quality, perform these steps below:

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Press the ▲ / **MENU** button.
   - The [Capture] menu is displayed.
3. Select [Size] with the ▲ / ▼ buttons, then press the **OK** button.
4. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
5. Select [Quality] with the ▲ / ▼ buttons, then press the **OK** button.
6. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
7. To exit from the menu, press the ◀ button.





NOTE

- The possible number of shots and recording time depend on the storage size, resolution and quality settings and the subject of the image to be captured.

Downloaded from www.Manualslib.com manuals search engine

■ Possible Number of Recordable Images

The frame counter indicates the approximate number of images that can be stored on the SD memory card. The number of recordable images may vary depending on the recorded subject, the capacity of the memory card, there are files other than images or when the recording is made while switching the picture quality or resolution.

Resolution	Quality (Compression Ratio)	SD Memory Card						
		14MB Internal Memory	32MB	64MB	128MB	256MB	512MB	1GB
2816 x 2112	⁂ Fine (1/4)	3	8	17	36	74	150	301
	⁂ Standard (1/8)	6	14	29	61	124	251	503
	★ Economy (1/16)	11	27	57	116	239	482	969
2272 x 1704	⁂ Fine (1/4)	5	12	26	54	111	224	449
	⁂ Standard (1/8)	9	21	44	91	186	375	752
	★ Economy (1/16)	17	40	86	176	358	721	1447
1600 x 1200	⁂ Fine (1/4)	9	21	46	94	191	385	774
	⁂ Standard (1/8)	15	36	76	158	320	645	1294
	★ Economy (1/16)	29	69	148	304	616	1241	2491
640 x 480	⁂ Fine (1/4)	30	71	151	310	628	1265	2539
	⁂ Standard (1/8)	50	119	252	518	1051	2117	4248
	★ Economy (1/16)	96	229	485	998	2022	4073	8147

* The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

■ Approximate Duration of Recording Time

The table below indicates the approximate duration of recording time depending on the capacity of the SD memory card.

Image size	SD Memory Card						
	14MB Internal Memory	32MB	64MB	128MB	256MB	512MB	1GB
320 x 240	00:00:23	00:00:51	00:01:44	00:03:31	00:07:05	00:14:12	00:28:28

* The values for the recording time may vary depending on the shooting conditions and settings.

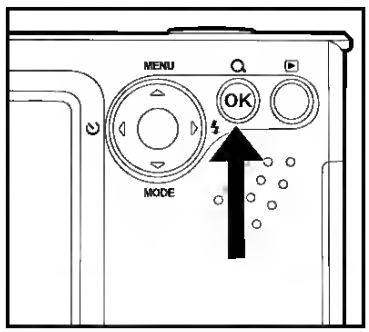
Downloaded from www.Manualslib.com manuals search engine

Using the Zoom Function

This camera is equipped with 4x digital zoom. You can enlarge the subjects by pressing continuously the **OK / Q** button. A useful feature as it is, however, the more the image is magnified, the grainer the image may become.

To capture a zoomed image, perform the following steps:

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. To activate the digital zoom, press continuously the **OK / Q** button.
   - The status of digital magnification is displayed on the LCD monitor.
3. Compose your scene and press the shutter button to capture the image.



NOTE

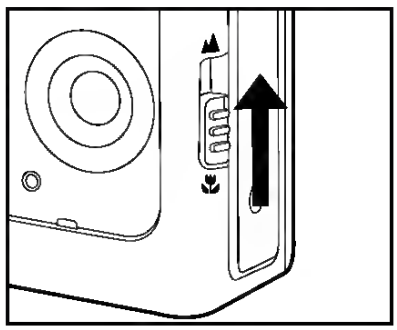
- The digital magnification ranges from 1.0x to 4.0x.
- As you record video clips, the zoom function cannot be activated.

Downloaded from www.Manualslib.com manuals search engine

Setting Focus

Images can be captured by sliding the focus switch to set the focus modes: [🌷] macro or [▲] normal mode.

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Slide the focus switch to your desired focus mode.
3. Compose your scene and press the shutter button.



The table below will help you choose the appropriate focus mode:

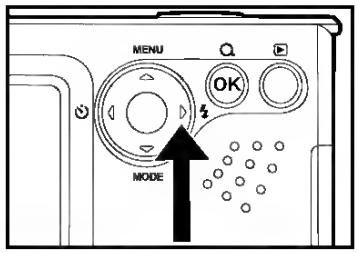
Focus mode	Description
▲ Normal	This mode is suitable for scenery and portrait shooting.
🌷 Macro	Select macro to capture close-up images. When the lens is zoomed to its widest position you may focus objects as close as 60 cm.

Downloaded from www.Manualslib.com manuals search engine

Using the Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. The camera has four flash modes:Auto Flash (default), Red Eye, Forced Flash and No Flash. You can take an image using a desired flash mode to suit your circumstances.

1. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
2. Toggle ▶ / ϟ until your desired flash mode appears on the LCD monitor.
3. Compose your scene and press the shutter button.



The table below will help you to choose the appropriate flash mode:

Flash mode	Description
Auto	The flash fires automatically according to suit the photographic conditions.
Red-eye Reduction	Use this mode to reduce the red-eye phenomenon when you want to take natural-looking photographs of people and animals in low-light conditions. When taking photographs, the red-eye phenomenon can be reduced by asking the subject (person) to look at the digital camera or get as close to the digital camera as possible.
Forced Flash	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (backlighting) and deep shadows.
Flash Off	Use this mode in the environment that the flash use is prohibited or under the situation that the distance to the subject is too far away for the flash to have any effect.

Downloaded from www.Manualslib.com manuals search engine

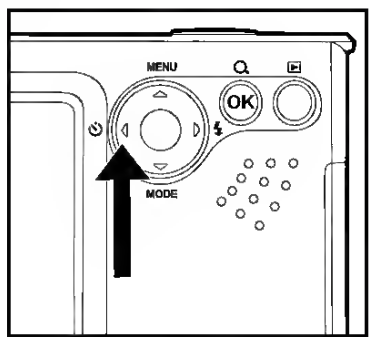
Using the Self-Timer

The self-timer can be used in situations such as group shots. When using this option, you should either mount the camera on a tripod (recommended) or rest it on a flat, level surface.

1. Secure the camera to a tripod or place it on a stable surface.
2. Slide the lens cover open until it clicks to turn on the camera.
   - The camera mode (default preview) is displayed.
3. Toggle ◀ / ⏲ until your desired self-timer mode appears on the LCD monitor.

   OFF → 10s → 2s → 10+2s
   [No Indication]

4. Compose your scene and press the shutter button.
   - The self-timer function is activated.
   - The photography is then taken after the preset time.
   - To cancel the self-timer at any time, press the ◀ / ⏲ button to disrupt the sequence.



NOTE

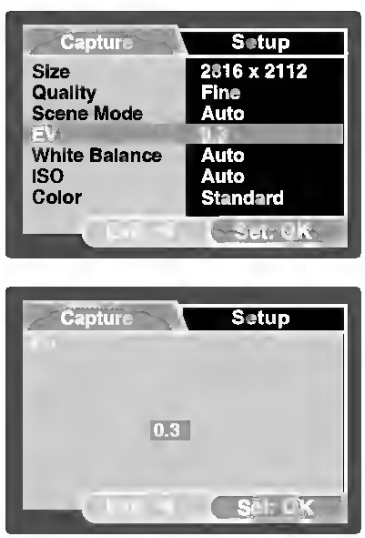
- After one shot is taken, the self-timer mode is turned off.
- If you wish to take another image using the self-timer, repeat these steps.

Downloaded from www.Manualslib.com manuals search engine

Adjusting the Exposure (EV Compensation)

You can manually adjust the exposure determined by the digital camera. Use this mode when the proper exposure cannot be obtained, for example, when the contrast (different between light and dark) between the subject and the background is extremely large. The EV compensation value can be set in the range from –2.0EV to +2.0EV.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Toggle the ▼ / **MODE** button and switch to camera or [📷] mode.
3. Press the ▲ / **MENU** button.
   ■ The [Capture] or [Video Output] menu is displayed.
4. Select [EV] with the ▲ / ▼ buttons, then press the **OK** button.
5. Use ▲ or ▼ to set the range of EV compensation value from -2.0EV to +2.0EV, then press the **OK** button.
6. To exit from the menu, press the ◀ button.



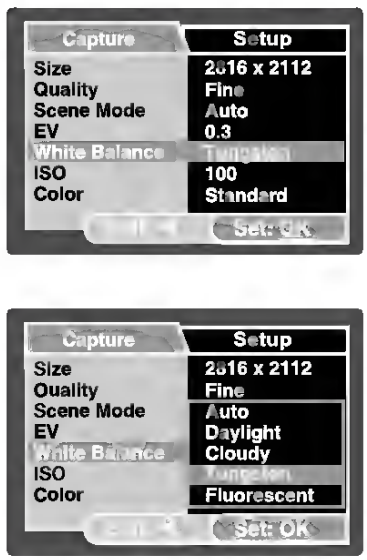
Ex.: In Camera Mode

Downloaded from www.Manualslib.com manuals search engine

Setting White Balance

This feature lets you make adjustments to compensate for different lighting types according to your shooting conditions.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Toggle the ▼ / **MODE** button and switch to camera or [🎥] mode.
3. Press the ▲ / **MENU** button.
   - The [Capture] or [Video Output] menu is displayed.
4. Select [White Balance] with the ▲ / ▼ buttons, then press the **OK** button.
5. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
6. To exit from the menu, press the ◀ button.



Ex.: In Camera Mode

Downloaded from www.Manualslib.com manuals search engine

Scene Mode Selection

You can select the scene mode according to the shooting scene. There are 6 available modes in this scene mode.

[**A**] Auto: Select this mode to adjust point-and-shoot action.

[ ] Sport: Select this mode when you want to photograph fast-moving subjects.

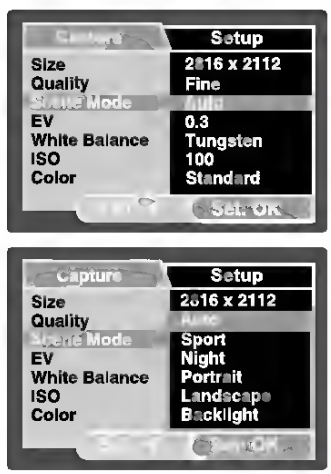
[ ] Night: Select this mode when you want to capture people with an evening or night scene background.

[ ] Portrait: Select this mode when you want to capture an image that makes the person stand out against a defocused (blurred) background.

[ ] Landscape: Select this mode to capture an image with infinity focus, hard sharpness and high saturation.

[ ] Backlight: Select this mode when you want to capture images when the light comes from behind the object.

1. Slide the lens cover open until it clicks to turn on the camera.
   ■ The camera mode (default preview) is displayed.
2. Press the ▲ / **MENU** button.
   ■ The [Capture] menu is displayed.
3. Select [Scene Mode] with the ▲ / ▼ buttons, then press the **OK** button.
4. Select the desired scene mode with the ▲ / ▼ buttons, then press the **OK** button.
5. To exit from the menu, press the ◀ button.



Downloaded from www.Manualslib.com manuals search engine

PLAYBACK MODE - THE BASICS

Viewing Images

You can display the still images you have just captured at a time.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the [▶] button.
   - The last recorded image appears on the LCD monitor.
3. Use ◀ or ▶ to select the desired images.
   - To view the previous image, press the ◀ button.
   - To view the next image, press the ▶ button.
4. To exit from playback mode, press the [▶] or ▼ (MODE) button.

NOTE

- The playback information displayed on the LCD monitor will disappear after seconds of time.
- If there is no image stored in the internal memory or on the memory card [NO IMAGE] message will appear on the monitor.

Downloaded from www.Manualslib.com manuals search engine

Magnifying Images

While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view fine details. The zoom factor displayed on the screen shows the current magnification ratio.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the [▶] button.
   - The last recorded image appears on the LCD monitor.
   - To view the previous image, press the ◀ button.
   - To view the next image, press the ▶ button.
3. Press continuously the **OK** / 🔍 button to adjust the zoom ratio.
   - The magnification factor is displayed on the LCD monitor.
4. To view different portion of the images, press the ▲ / ▼ / ◀ / ▶ button to adjust the display area.

NOTE

- The magnification factors range from 1x to 4x (within 7 stages: 1.0x, 1.5x, 2.0x, 2.5x, 3.0x, 3.5x and 4.0x)

Downloaded from www.Manualslib.com manuals search engine

Thumbnail Display

This function allows you to view 9 thumbnail images on the LCD monitor simultaneously so you may search for a particular image.

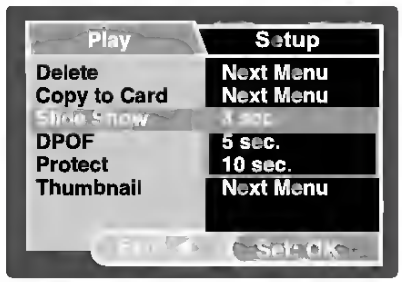
1. Slide the lens cover open until it clicks to turn on the camera.
2. Press the [▶] button.
   - The last recorded image appears on the LCD monitor.
3. Press continuously the **OK** / 🔍 button to adjust the zoom ratio.
   - Nine thumbnail images are displayed simultaneously.
   - For recorded video clips, the [🎥] video mode icon will be displayed.
4. Use the ▲ / ▼ / ◀ / ▶ button to move the cursor to select the image to be displayed at regular size.
5. Press the **OK** button to display the selected image on full screen.

Downloaded from www.Manualslib.com manuals search engine

Slideshow Display

The slide show function enables you to play your images back automatically in sequential order. This is very useful and entertaining feature for reviewing recorded images and for presentations.

1. Press the [▶] button.
2. Press the ▲ / **MENU** button.
   - The playback menu is displayed.
3. Select [Slide Show] with the ▲ / ▼ buttons, then press the **OK** button.
4. Select ▲ / ▼ to set the playback interval, then press the **OK** button.
   - The slideshow starts.
5. To stop the slide show during playback, press the **OK** button.



NOTE

- You can adjust the slide show display interval within the range of 3 Sec , 5 Sec , 10 Sec
- The Auto Off function does not operate during slide show
- All still images in the folder are automatically played back

Downloaded from www.Manualslib.com manuals search engine

VIDEO MODE

Recording Video Clips

This mode allows you to record video clips with sound via built-in microphone.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Press ▼ / MODE and switch to [🎥] mode.
3. Press the shutter button to start recording.
4. To stop recording, press the shutter button again.

NOTE

- When recording a video clip, the flash cannot be used.

Downloaded from www.Manualslib.com manuals search engine

Playing Back Video Clips

You can play back recorded video clips. A guide to operation appears on the LCD monitor during the video playback.

1. Press the [▶] button.
2. Use ◀ or ▶ to go through the images until the video clip you want to play back is displayed.
   - To view the previous image, press the ◀ button.
   - To view the next image, press the ▶ button.
3. Press the **OK** button to start playing back the video clips.
   - To pause or resume video playback, press the **OK** button again.

NOTE

- The playback information displayed on the LCD monitor will disappear after seconds of time
- The zoom function cannot be activated while playing the video clips back
- To playback the video clips on the computer, we recommend you to use Windows Media Player 9 0 (WMP 9 0) or later You can download WMP version from the website at www microsoft com If the video can't be playback in the WMP 9 0, please you have to update the renewed of WMP 9 0 from the Microsoft website

Downloaded from www.Manualslib.com manuals search engine

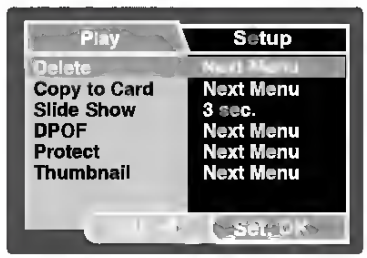
PLAYBACK MODE – ADVANCED FEATURES

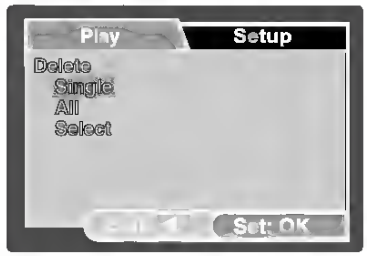
Deleting Images/Video Clips

Use this function to delete one or all images/video clips stored in the internal memory or memory card. Please note that the deleted images or video clips cannot be recovered. Exercise caution before deleting a file.

Deleting at Playback Mode

1. Press the [▶] button.
   - The last image will be displayed on the screen.
2. Select the image you want to erase with the ◀ / ▶ buttons.
3. Press the ▲ / MENU button.
   - The playback menu is displayed.
4. Select [Delete] with the ▲ / ▼ buttons, then press the **OK** button.
   - The deletion menu is displayed.
5. Select [Single] or [All] with the ▲ / ▼ buttons, then press the **OK** button.
   - Single: Erases the selected image or the last image.
   - All: Erases all of the images on the SD memory card except for the protected images.
   - Select: Erases a number of selected images.
6. Select [Execute] with the ▲ / ▼ buttons, then press the **OK** button.
   - To not erase, select [Cancel], then press the **OK** button.





Downloaded from www.Manualslib.com manuals search engine

Deleting selected images

1. Press the [▶] button.
2. Press the ▲ / MENU button.
   - The playback menu is displayed.
3. Select [Delete] with the ▲ / ▼ buttons, then press the OK button.
   - The deletion menu is displayed.
4. Select [Select] with the ▲ / ▼ buttons, then press the OK button.
   - The images are displayed in the thumbnail display. The [🗑] icon will also be displayed.
5. Select the image you want to delete with the ▲ / ▼ / ◀ / ▶ buttons, then press the OK button.
   - The image you've just selected has been deleted.

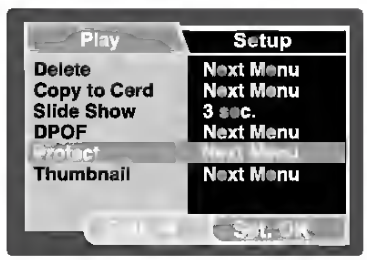
Downloaded from www.Manualslib.com manuals search engine

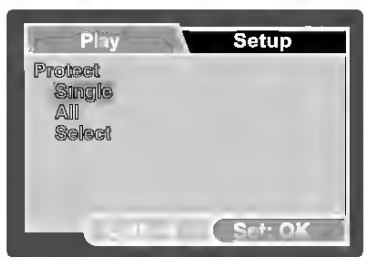
Protecting Images/Video Clips

Set the data to read-only to prevent images from being erased by mistake.

Protecting Images

1. Press the [▶] button.
   - The last recorded image appears on the LCD monitor.
2. Select the image that you want to protect with the ◀ / ▶ buttons.
3. Press the ▲ / MENU button.
   - The playback menu is displayed.
4. Select [Protect] with the ▲ / ▼ buttons, then press the **OK** button.
5. Select [Single] or [All] with the ▲ / ▼ buttons, then press the **OK** button.
6. Select [Set] with the ▲ / ▼ buttons, then press the **OK** button.
   - Press continuously the ◀ button to return to the playback mode.
     The protect icon [🔒] is displayed with the selected image.
   - When [All] has been selected, [🔒] is displayed with all the images.





Downloaded from www.Manualslib.com manuals search engine

To cancel the protection

To cancel protection for only one image, display the image that you want to remove the image protection.

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, then press the **OK** button.
2. Select [Single] or [All] with the ▲ / ▼ buttons, then press the **OK** button.
3. Select [Cancel] with the ▲ / ▼ buttons, then press the **OK** button.
   - Press continuously the ◀ button to return to the playback mode. The removal of image protection has been executed.

To protect multiple images simultaneously

1. Select [Protect] with the ▲ / ▼ buttons from the playback menu, then press the **OK** button.
2. Select [Select] with the ▲ / ▼ buttons, then press the **OK** button.
   - The images are displayed in the thumbnail display. The protect icon [🔒] is also displayed.
3. Select the image you want to protect with the ▲ / ▼ / ◀ / ▶ buttons, then press the **OK** button.
4. If you want to cancel the protection of selected image respectively, follow the steps mentioned in "**To cancel the protection**" above to set.

NOTE

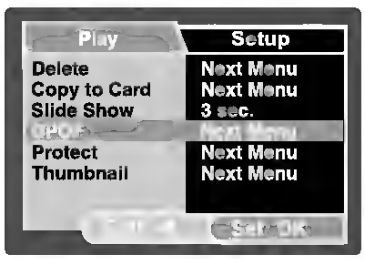
- Formatting an SD memory card overrides protection, and erases all images regardless of their protected status

Downloaded from www.Manualslib.com manuals search engine

Setting the DPOF

DPOF (Digital Print Order Format) allows you to embed printing information on your memory card. By using DPOF, you can select an image to be printed and then specify how many prints or which image you would like. Take your memory card to a DPOF enabled printer that accepts memory cards. The DPOF/card-compatible printer will read the embedded information on the memory card and print your images as specified.

1. Press the [▶] button.
2. Select the image that you want to set DPOF with the ◀ / ▶ buttons.
3. Press the ▲ / MENU button.
   - The playback menu is displayed.



4. Select [DPOF] with the ▲ / ▼ buttons, and press the **OK** button.
   - The DPOF setting screen is displayed.
5. Select [Single] or [All] with the ▲ / ▼ buttons, and press the **OK** button.
   - Single: Sets DPOF for each individual image.
   - All: Sets DPOF for all images at once.

6. Select [Print Num.] with the ▲ / ▼ buttons, and press the **OK** button.
   - This displays the number of prints setting screen.
7. Set the number of prints with the ▲ / ▼buttons, and press the **OK** button.
   - You can set up to 9 prints for each image.
8. Select [Date] with the ▲ / ▼ buttons, and press the **OK** button.
   - The date setting screen appears.

Downloaded from www.Manualslib.com manuals search engine

9. Select date to [On] or [Off] with the ▲ / ▼ buttons, and press the **OK** button.
   - On: The date of the photograph will also be printed.
   - Off: The date of the photograph will not be printed.
10. Select [Print Enable] with the ▲ / ▼ buttons, and press the **OK** button.
11. Select [Execute] with the ▲ / ▼ buttons, and press the **OK** button.
    - This creates a file containing the DPOF information, and when the operation is finished, the screen returns to the playback mode.
    - The DPOF icon [ ] is displayed on each image that have set up DPOF settings.

NOTE

- The date that is printed on the photo is the date set on the camera. To print the correct date on the photo, set the date on the camera before you photograph the image. Refer to section in this manual titled "Setting the Date and Time" for further details.
- Before you perform the DPOF settings on your camera, always remember to copy your images from the internal memory to an SD memory card first.
- You cannot print movies.

Downloaded from www.Manualslib.com manuals search engine

Connecting to a PictBridge Compliant Printer

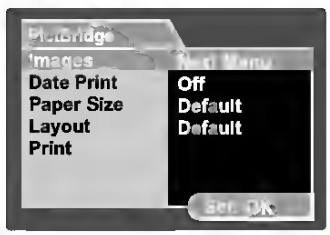
If a printer that supports PictBridge is available, images can be printed by connecting the digital still camera directly to the PictBridge-compatible printer without using a computer.

Connecting the camera to the printer

1. Connect the USB port on the camera and the USB jack on the printer with the supplied USB cable, then turn on your camera and the printer.
   - The screen for selecting the USB mode is displayed.
2. Select [PRINTER] and press the **OK** button.

Printing images

When the camera is properly connected to a PictBridge compliant printer, the PictBridge menu is displayed on the monitor.



1. Select the item you want to configure with the ▲/▼ buttons, and press the **OK** button.
   - [Images]: Select whether you want to print specific image or all images. You may also select printing number for specific image.
   - [Date Print]: According to the printer type, select whether you want to print the image with date imprint or not.
   - [Paper Size]: Select the desired paper size according to the printer type.
   - [Layout]: Select the desired printing layout according to the printer

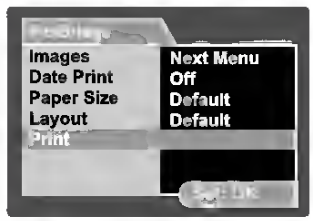
2. If you select [Images] in the previous step, the figure shown on the right hand side will appear. Select [Select] or [All] with the ▲/▼ buttons, and press the **OK** button.
   - [Select]: Select to print multi images simultaneously.
   - [All]: Select to print all images.
   - [Exit]: Exit from Images option.

Downloaded from www.Manualslib.com manuals search engine

3. If you select [Select] in the previous step, the figure shown on the right hand side will appear.
   - Select the multi images that you want to print simultaneously with the ◀/▶ buttons.
   - Select the [Print Num.] (up to 99) with the ▲/▼ buttons.
   - After selecting the desired image and printing number, press the **OK** button to confirm.

4. Select [Exit] with the ▲/▼ buttons, and press the **OK** button.

5. Select [Print] with the ▲/▼ buttons, and press the **OK** button to start printing.



6. The printing starts and the figure shown on the right hand side appears.
   - The [Complete] will be displayed temporarily, reminding you that the printing procedure is finished.
   - If a print error is detected, the [Print Error] will be displayed.

NOTE

- The image printing may be failed if the power to the camera is cut off

Downloaded from www.Manualslib.com manuals search engine

TRANSFERRING FILES FROM YOUR DIGITAL CAMERA TO COMPUTER

After using USB cable to establish a USB connection between the camera and your computer, you can use your computer to share recorded images or video clips with your family or friends via e-mail or post them on the Web. In order to do this, you must install the USB driver onto your computer first. Note that before you begin to install the software, you need to check your system according to the table as shown below.

	System Requirements (Windows)	System Requirements (Macintosh)
CPU	Pentium III 600 MHz processor or higher	PowerPC G3/G4
Operating System	Windows 98/98SE/ME/2000/XP	OS 9.0 or higher
RAM	32MB (64MB RAM recommended)	32MB (64MB RAM recommended)
Hard Disk Space	128MB hard disk space	128MB hard disk space
Required Devices	A CD-ROM drive An available USB port	A CD-ROM drive An available USB port
Display	Color Monitor (800x600, 24-bit or higher recommended)	Color Monitor (800x600, 24-bit or higher recommended)

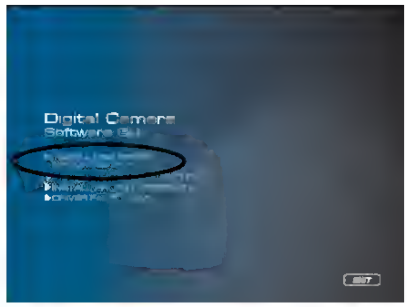
Downloaded from www.Manualslib.com manuals search engine

Step I: Install the USB driver

■ **Installation on Windows 98 & 98SE**

The USB driver on the supplied CD-ROM is exclusively for Windows 98 and 98SE. Windows 2000/ME/XP users need not install the USB driver.

1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. When the welcome screen appears, click "**INSTALL USB DRIVER**". Follow the on-screen instructions to complete the installation.
3. After the USB driver has been installed, restart your computer.

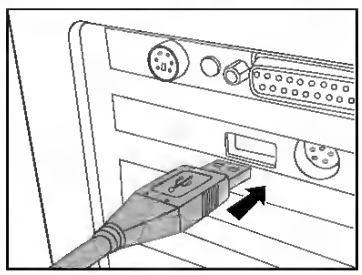


Downloaded from www.Manualslib.com manuals search engine

Step 2: Connect the digital camera to your computer

1. Slide the lens cover open until it clicks to turn on the camera.
2. Connect one end of the USB cable to an available USB port on your computer.
   - The USB screen appears on the screen.
3. Use ▲ / ▼ to select [PC], then press the **OK** button.
4. From the Windows desktop, double click on "My Computer".
5. Look for a new "Removable disk" icon. This "Removable disk" is actually the memory card in your camera. Typically, the camera will be assigned drive letter "e" or higher.
6. Double click on the removable disk and locate the DCIM folder.
7. Double click on the DCIM folder to open it to find more folders.
   - Your recorded images and video clips will be inside these folders.
   - Copy & Paste or Drag-N-Drop image and video files to a folder on your computer.

(**For Mac users**, double-click the "untitled" or "unlabeled" disk drive icon on our desktop. iPhoto may automatically launch.)



Downloaded from www.Manualslib.com manuals search engine

Step 3: Download images or video clips

When the digital camera is turned on and connected to your computer, it is considered to be a disk drive, just like a floppy disk or CD. You can download (transfer) images by copying them from the "Removable disk" ("untitled" or "unlabeled" disk on a Macintosh) to your computer hard drive.

■ **Windows**

Open the "removable disk" and double click on the DCIM / DSCIM folder to open it to find more folders. Your images are inside these folder(s). Select the desired still images or video clips and then choose "Copy" from the "Edit" menu. Open the destination location (folder) and choose "Paste" from the "Edit" menu. You may also drag and drop image files from the digital camera to a desired location.

■ **Macintosh**

Open the "untitled" disk icon, and the destination location on your hard disk. Drag and drop from the digital camera to the desired destination.

- Memory card users may prefer to use a memory card reader (highly recommended).
- Video playback application is not included with the package. Make sure that video playback application has been installed in your computer.

Downloaded from www.Manualslib.com manuals search engine

USING THE DIGITAL CAMERA AS A PC CAMERA

Your digital camera can act as a PC camera, which allows you to videoconference with business associates, or have a real-time conversation with friends or family. To use the digital camera for videoconferencing, your computer system must include the items as below:

- Microphone
- Sound card
- Speakers or headphones
- Network or Internet connection

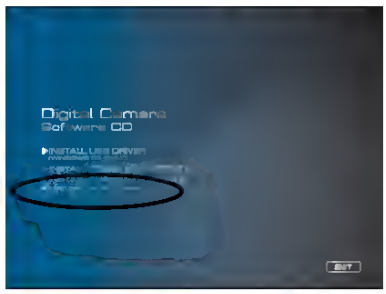
NOTE

- Video conferencing (or video editing) software is not included with the digital camera.
- This mode is not supported for Mac.

Step I: Install the PC camera driver

The PC-camera driver included in the CD-ROM is exclusively for Windows. The PC camera function is not supported for Mac platforms.

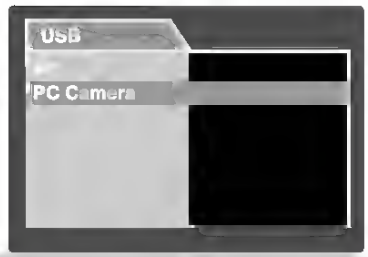
1. Insert the enclosed CD-ROM into your CD-ROM drive.
2. When the welcome screen appears, click "**DRIVER For PC CAM**". Follow the on-screen instructions to complete the installation.
3. After the driver installation is completed, restart your computer.



Downloaded from www.Manualslib.com manuals search engine

Step 2: Connect the digital camera to your computer

1. Slide the lens cover open until it clicks to turn on the camera.
2. Connect one end of the USB cable to an available USB port on your computer.
   - The USB screen appears on the screen.
3. Use ▲ / ▼ to select [PC Camera], then press the **OK** button.
4. Position the digital camera steadily on top of your computer monitor or use a tripod.



NOTE

- When using this digital camera as a PC camera, it is necessary to install the battery into the digital camera.

Step 3: Run your application software (i.e. Windows NetMeeting)

To use Windows NetMeeting for videoconferencing:

1. Go to **Start → Programs → Accessories → Communications →** NetMeeting to launch the NetMeeting program.
2. Click the Start Video button to view live video.
3. Click the Place Call button.
4. Type the e-mail address or the network address of the computer that you are calling.
5. Click Call. The person that you are calling must also have Windows NetMeeting running and be willing accept your call to start the videoconference.

NOTE

- The video resolution for videoconferencing applications is generally 320 x 240
- For more information about the operation of videoconference application software, refer to its respective help documentation.

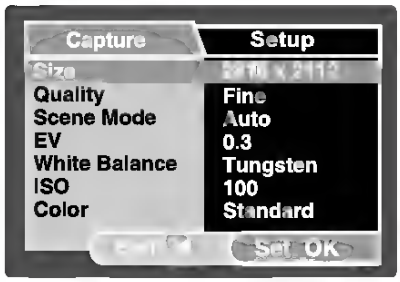
Downloaded from www.Manualslib.com manuals search engine

MENU OPTIONS

Camera Menu

This menu is for the basic settings to be used when capturing still images.

1. Slide the lens cover open until it clicks to turn on the camera.
   ■ The camera mode (default preview) is displayed.
2. Press the ▲ / MENU button.
   ■ The [Capture] menu is displayed.
3. Select the desired option item with the ▲ / ▼ buttons, then press the **OK** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
5. To exit from the menu, press the ◀ button.



Size

This sets the size of the image that will be captured.

* [ ] 2816 x 2112
* [ ] 2272 x 1704
* [ ] 1600 x 1200
* [ ] 640 x 480

Quality

This sets the quality (compression rate) at which the image is captured.

* [★★★] Fine
* [★★] Standard
* [★] Economy

Downloaded from www.Manualslib.com manuals search engine

Scene Mode

Refer to section in this manual titled "Scene Mode Selection" for further details.

EV

Refer to section in this manual titled "Adjusting the Exposure (EV Compensation)" for further details.

White Balance

This sets the white balance capturing under a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

* [**Blank**] Auto
* [☀] Daylight
* [☁] Cloudy
* [🔆] Tungsten
* [▦] Fluorescent

ISO

This sets the sensitivity for capturing images. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixelated (grainier) the image will appear.

* 50 / 100 / 200 / Auto

Downloaded from www.Manualslib.com manuals search engine

Color

This sets the color of the image that will be photographed.
* Standard / Vivid / Sepia / Monochrome

Saturation

To capture an image, your camera offers you three different degrees of color to match with your preference. Your images will demonstrate different impression by selecting different degrees of color. This is called “Saturation”.
* High / Normal / Low

Sharpness

This sets the sharpness of the image that will be photographed.
* Hard / Normal / Soft

Preview

This sets whether or not to display the captured image on the screen immediately after the image is captured.
* On / Off

Date Print

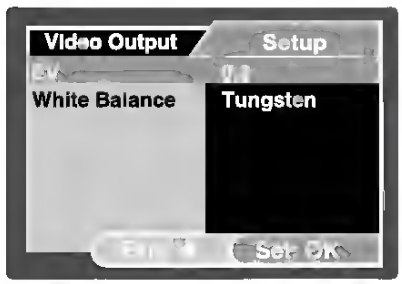
The date of recording can be printed directly on the still images. This function must be activated before the image is captured.
* On / Off

Downloaded from www.Manualslib.com manuals search engine

Video Menu

This menu is for the basic settings to be used when recording video clips.

1. Slide the lens cover open until it clicks to turn on the camera.
2. Toggle the ▼ / **MODE** button and switch to [🎥] mode.
3. Press the ▲ / **MENU** button.
   - The [Video Output] menu is displayed.
4. Select the desired option item with the ▲ / ▼ buttons,then press the **OK** button to enter its respective menu.
5. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
6. To exit from the menu, press the ◀ button.



EV

Refer to section in this manual titled "EV" in Camera Menu for further details.

White Balance

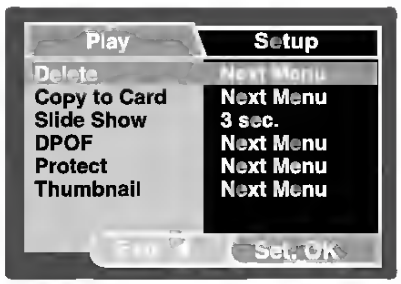
Refer to section in this manual titled "White Balance" in Camera Menu for further details.

Downloaded from www.Manualslib.com manuals search engine

Playback Menu

In the [▶] mode, set which settings are to be used for playback.

1. Press the [▶] button.
2. Press the ▲ / MENU button.
   ■ The playback menu is displayed.
3. Select the desired option item with the ▲ / ▼ buttons, then press the **OK** button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, then press the **OK** button.
5. To exit from the menu, press the ◀ button.



Delete

Refer to section in this manual titled "Deleting Images/Video Clips" for further details.

Copy to Card

Allows you to copy your files from the digital camera's internal memory to a memory card. Of course, you can only do this if you have a memory card installed
and some files in internal memory.
* Cancel / Execute

Slide Show

Refer to section in this manual titled "Slideshow Display" for further details.

DPOF

Refer to section in this manual titled "Setting the DPOF" for further details.

Downloaded from www.Manualslib.com manuals search engine

Protect

Refer to section in this manual titled "Protecting Images/Video Clips" for further details.

Thumbnail

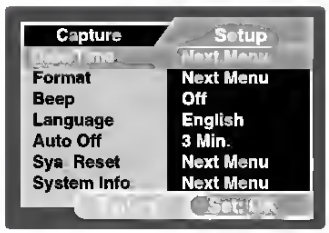
Refer to section in this manual titled "Thumbnail Display" for further details.

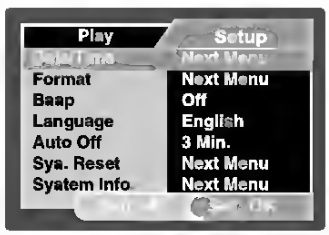
Downloaded from www.Manualslib.com manuals search engine

Setup Menu

Set your camera's operating environment.

1. Press ▼ / MODE and switch to camera or [🎥] mode, or press the [▶] button.
2. Press the ▲ / MENU button and access in setup menu with the ▶ button.
   ■ The [Setup] menu is displayed.
3. Select the desired option item with the ▲ / ▼ buttons, and press the OK button to enter its respective menu.
4. Select the desired setting with the ▲ / ▼ buttons, and press the OK button.
5. To exit from the menu, press continuously the ◀ button.





Date/Time

This sets the date and the time.
Refer to section in this manual titled "Setting the Date and Time" for further details

Format

Erases all images and reformats the SD card loaded in your camera. Protected mages are also erased. SD card cannot be formatted if it is write-protected. Refer to section in this manual titled "Formatting an SD Memory Card or Internal Memory" for further details.

Beep

This sets whether or not to mute the camera sound each time you press the camera button.
* On / Off

Downloaded from www.Manualslib.com manuals search engine

Language

Refer to section in this manual titled “Choosing the Screen Language” for further details.

Auto Off

If no operation is performed for a specific period of time, the power to the camera is automatically turned off. This feature is useful to reduce battery wear.
* 3 Min./ 5 Min./ 10 Min./ Off

Sys. Reset

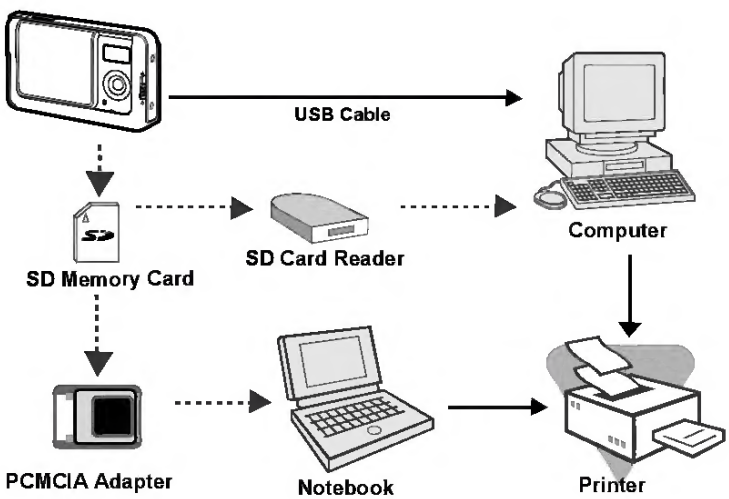
This returns all basic settings to the camera¡¦s default settings. The time setting will not be reset.
* Cancel / Execute

System Info.

This displays the current firmware version of the camera.

Downloaded from www.Manualslib.com manuals search engine

CONNECTING THE DIGITAL CAMERA TO OTHER DEVICES



Downloaded from www.Manualslib.com manuals search engine

SPECIFICATIONS

Item	Description
Image Sensor	CCD
Effective pixels	6.0 Mega pixels
Image size	Still image: 2816 x 2112, 2272 x 1704, 1600 x 1200, 640 x 480 Video clip: 320 x 240
Image quality	Still image: Fine, Normal, Economy Movie image: Economy
Recording media	16MB internal memory (14MB available for image storage) SD memory card (Optional, up to 1GB)
File format	Image format: JPEG; video format: Motion JPEG
Lens	F-no.: 3.3 Focal length: 6.95mm (equivalent to 42mm in 35mm camera)
Focus range	Macro: 60 ~ 100 cm Normal: 100cm~infinity
LCD monitor	2.0" LTPS color LCD High-resolution 153K pixels display
Self-timer	10 sec delay, 2 sec delay, 10+2 sec delay
Exposure compensation	-2.0EV~ +2.0EV (in 0.3EV increments)
White balance	Auto, Daylight, Cloudy, Tungsten, Fluorescent
ISO	Auto, 50, 100, 200
Interface	USB connector
Power	2 x AA Alkaline batteries (Optional)
Dimension	Approx.90 x 55 x 24 mm
Weight	Approx. 85g (without batteries and the SD memory card)

* Design and specifications are subject to change without notice.

Downloaded from www.Manualslib.com manuals search engine

APPENDIX

■ Troubleshooting Guide

Symptom	Possible causes	Solutions / Corrective Actions
The power does not turn on.	* The batteries have run out. * The batteries are not oriented correctly. * The battery cover is not closed properly.	* Load new or fully charged batteries. * Load the batteries in the correct direction. * Close the battery cover correctly.
The camera suddenly powers down.	* The function of Auto off in setup menu has been activated. * The batteries have run out.	* Set the option of Auto Shut Down to Off. * Turn the power back on or charge the batteries.
The image is not captured when the shutter button is pressed.	* The camera is in ▶ (Playback) mode. * Memory is full.	* **Toggle the ▼ / MODE button to the camera mode.** * Transfer the desired files to your computer and then delete unnecessary files, or use a different memory card.
The flash does not fire.	* NO FLASH is selected in flash mode. * The camera is in 🎥 (Video) mode.	* Select a different flash mode. * Press the ▼ / **MODE** and switch to the camera mode.
Cannot transfer files over a USB connection.	* The USB cable is not connected securely. * The USB driver is not installed. * The camera is turned off.	* Check all connections. * Install the USB driver on your computer. * Turn on the camera.

Downloaded from www.Manualslib.com manuals search engine